



TEST REPORT ON COARSE AGGREGATES

Lab ID : CP-2018-01-10-09

Date: 13-01-18

Sample ID No : 2018-01-10-09 /02(b)

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS:383-2016
1	Flakiness Index(%)	12.4	Combined Flakiness & Elongation Index Shall not Exceed 40% for Uncrushed & Crushed Aggregate
2	Elongation Index(%)	11.8	
3	Specific Gravity	2.57	—
4	Bulk Density(Loose) (Kg/l)	1.41	—
5	Bulk Density(Compacted) (Kg/l)	1.49	—
6	Water Absorption(%)	0.28	—
7	Aggregate crushing Value(%)	23.1	Max 30% for Aggregates to be used in concrete for wearing Surface, In case Aggregate Crushing Value Exceeds 30% then the test for ten percent fines should be conducted for Aggregates to be used in concrete other than for wearing Surface
8	Aggregate Impact Value(%)	21.7	30% for Aggregates to be used in concrete for wearing Surface, 45% for Aggregates to be used in concrete other than for wearing Surface

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



FOR CIVIL Pro.

R. Karthik Rechan
R KARTHIK RECHAN
Authorized Signature
Quality Manager

Page 2/2
End of Report

R. Karthik Rechan
ಬಿ.ಕಾರ್ತಿಕ ರೆಚನ್, ಉಪ-ನಿರ್ದೇಶಕ
ಪರೀಕ್ಷಣಾಂಗ, ಬಿಬಿಎಂಸಿ
ಬೆಂಗಳೂರು

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |



TEST REPORT OF FINE AGGREGATE

Date: 18-01-18

Lab ID
Customer
Address
Project Name
Agency
Customer's Reference
Source of Sample
Sample Condition
Date of Receipt
Sample ID No
Sample Type
Reference to BIS codes

CP-2018-01-10-09
Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Dasarahalli Sub Division, BBMP, Bangalore.
Improvements to roads and drains at Kataraya Niagara in Ward No. 14 Bangalore
Technical Manager West, KRIDI, Project Implementation Unit, No.280, 59th cross,
17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 019.
BBMP/EE/DD/WO/78/2017-18
Sample supplied by Agency
Satisfactory
10-01-18
2018-01-10-09 /03
Fine Aggregate
IS 383 : 2016 (Specification for Coarse and fine Aggregates)
IS: 2386 :1963(Part - 1, 3) RA2012
IS 2386 Part 1: Particle Size and Shape
IS 2386 Part 3: Specific gravity, Density, Voids, Water Absorption
10-01-18

Date of test

Total weight taken		1000 grams				Requirement as per IS 383:2016			
Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Grading Zone I	Grading Zone II	Grading Zone III	Grading Zone IV
1	10 mm	0	0	0.0	100.0	100	100	100	100
2	4.75 mm	28	28	2.8	97.2	90-100	90-100	90-100	95-100
3	2.36 mm	158	186	18.6	81.4	60-95	75-100	85-100	95-100
4	1.18 mm	232	418	41.8	58.2	30-70	55-90	75-100	90-100
5	600 micron	149	567	56.7	43.3	15-34	35-59	60-79	80-100
6	300 micron	168	735	73.5	26.5	5-20	8-30	12-40	15-50
7	150 micron	172	907	90.7	9.3	0-10	0-10	0-10	0-15
8	Pan	93	1000	100.0	0.0	---	---	---	---

Result : The tested Sample Conforms to Grading Zone II

[Signature]
ಪ್ರಾಧಿಕಾರಿತರಾದ ಅಧಿಕಾರಿಗಳು
ಬಿ.ದಾಸರಾಜ್, ಇಂಜಿನಿಯರ್
ಮಾಲೀಕರು, ಬೆಂಗಳೂರು



TEST REPORT OF FINE AGGREGATE

Lab ID : CP-2018-01-10-09
Sample ID No : 2018-01-10-09 /03

Date: 13-01-18

PHYSICAL PROPERTIES

Sl.No	Tests	Result	Requirements as per IS 383:2006
1	Water Absorption(%)	1.71	-
2	Specific Gravity	2.54	-
3	Material finer than 75 micron(%)	8.1	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

Note:
The results pertain to the samples received and tested.
All information furnished by Customer Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part
samples will be disposed after 90 days from the date of issue of test certificate



FOR CIVIL PRO.

[Signature]
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 2/2

****End of Report****

[Signature]
RECEIVED THE-13-01-18
NATIONAL SCHOOL
DARWIN



TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2018-01-20-08 Date: 27/01/2018
Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.
Address : Dasarahalli Sub Division, BBMP, Bangalore.
Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bangalagunte
Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010
Customer's Reference : BBMP/EE/DD/WO/78/2017-18
Source of Sample : Sample supplied by Agency
Sample Condition : Satisfactory
Date of Receipt : 20-01-18
Sample ID No : 2018-01-20-08 /01
Customer ID : Drain Concrete
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M20 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 27/01/2018

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	20/01/2018	27/01/2018	149.87 X 151.64 X 150.97	22726	8.210	409.1	18.0	18.4
2	Drain Concrete	M20	20/01/2018	27/01/2018	150.21 X 150.47 X 150.67	22602	8.198	411.4	18.2	
3	Drain Concrete	M20	20/01/2018	27/01/2018	150.11 X 150.49 X 150.37	22590	8.147	429.2	19.0	

Note:

The results pertain to the samples received and tested
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



FOR CIVIL Pro.

KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

M : 9972924526 | Tel : +91 80 23444803 | Email : rechan6630@yahoo.co.in, civilproexperts@gmail.com

**HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |**



TEST REPORT OF CEMENT CONCRETE CUBES

Date: 17/02/2018

Lab ID : CP-2018-01-20-08

Customer : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP, Bangalore.

Address : Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements to roads and drains at Kataraya Nagara in Ward No.14 Bangalore.

Agency : Technical Manager West, KRIDL, Project Implementation Unit, No.280, 59th cross, 17th 'C' Main Road, 3rd 'Y' Block, Rajajinagar, Bangalore-560 010.

Customer's Reference : BBMP/EE/DD/WO/78/2017-18

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 20-01-18

Sample ID No : 2018-01-20-08 /02

Customer ID : Drain Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm ²)	Average Compressive Strength (N/mm ²)
1	Drain Concrete	M20	20/01/2018	17/02/2018	150.24 X 150.99 X 150.66	22685	8.201	524.0	23.1	22.8
2	Drain Concrete	M20	20/01/2018	17/02/2018	150.78 X 150.91 X 150.97	22754	8.175	518.8	22.8	
3	Drain Concrete	M20	20/01/2018	17/02/2018	150.85 X 150.33 X 150.75	22677	8.198	508.0	22.4	

Note:

The results pertain to the samples received and tested.
All information furnished by Customer/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 90 days from the date of issue of test certificate



FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

****End of Report****

(Signature)
ಬಿ.ದಾಸರತ್ನ, ಉಪ-ವಿಭಾಗ
ಮಾಲೀಕರಣ, ಬಿಬಿಎಂಪಿ

M : 9972924526 | Tel : +91 80 23444801 | rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL |
GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES |